	10	th Class 202	1	
Math	(Science)	Group-II	PAPER-II	
			Max, Marks: 15	
Note:	are given. The circle in front of the answer-bowill result in zero.	choice which you th of that question with ok. Cutting or filling to mark in that questi	I D to each question ink is correct, fill that Marker or Pen ink in two or more circles on.	
1-1-	(x-1)(x+2) is			
	(a) A proper fro	action (b) An improp	per fraction ✓	
	(c) An identity	(d) A constan	t term	
2-	A line which has two points in common with a circle is called:			
	(a) Sine of a ci	rcle (b) Cosine o	f a circle	
	(c) Tangent of	a circle (d) Secant of	l a circle ✓	
3-		uent occurring obs	ervation in a data	
	set is called: (a) Mode (c) Harmonic n	(b) Median nean (d) Mean		
-	The length of the diameter of a circle is how many			
times the radius of the circle:				
	(a) 4 times	(b) 3 times		
	(c) 1 time	(d) 2 times ✓		
•	The number equation is:	of methods to s	olve a quadratic	
	(a) 1	(b) 2		
,	(c) 3 ×	(d) 4		
•	The number of elements in power set {1, 2, 3} is:			
	(a) 4	(b) 6		
	(c) 8 ✓	(d) 9		
		ny non-collinear poin	ts can a circle pass:	
	(a) One	(b) Two		
	(c) Three ✓	(d) Four		

8-	Find x in proportion 4:x::5:15:		
_	(a) $\frac{75}{4}$	(b) $\frac{4}{3}$	
	(c) $\frac{3}{4}$	(d) 12 ✓	
9-	The semi-circumference and the diameter of a circuboth subtend a central angle of:		
	(a) 90°	(b) 180° ✓	
	(c) 270°	(d) 360°	
10-	If A ⊆ B, then A ∩ B is equal to:		
	(a) A ✓	(b) B	
×	(c) b	(d) {φ}	
11-	Two square roots o	f unity are:	
	(a) 1, −1 ✓	(b) 1, ω	
	(c) 1, -ω	(d) ω , ω^2	
12-	If $y^2 \propto \frac{1}{x^3}$, then:		
	(a) $y^2 = \frac{k}{x^3}$ (c) $y^2 = x^2$	(b) $y^2 = \frac{1}{x^3}$ (d) $y^2 = k x^3$	
	(c) $y^2 = x^2$	(d) $y^2 = k x^3$	
13-	A histogram is a set of daylestin		
	(a) Squares	(b) Rectangles ✓	
	(c) Circles	(d) Data	
14-	Cube roots of -1 are:		
	(a) -1 , $-\omega$, $-\omega^2$	(b) -1 , ω , $-\omega^2$	
		(d) $1, -\omega, -\omega^2$	
15-	$\csc^2 \theta - \cot^2 \theta = \underline{\hspace{1cm}}$		
	(a) tan θ	(b) 0	
	(c) -1	(d) 1' ✓	

(a) tan θ (c) -1